

VIDEOMED DI / DIM / DI-K

AX

Repair Instructions

F8 Fuse

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Register 5

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English

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General Remarks

The transfer resistance between the fuse cartridge and the holder can cause excess heating and to a failure.

In an error situation, Error 007 (AP-ID 16) is displayed;
with the Lithostar Multiline:9020 on the control PC;
with the Urooskop D1:Error 007 (AP-ID 10)

If there is a failure of the fuse cap with **one** contact terminals, replace the fuse cartridge with cap with a new version.

The new fuse cartridge (fuse cartridge) has two contact terminals with a bayonet design.

Components Affected

- VIDEOMED DI / DIM / DI-K

Required Materials

- Fuse block 30 60 761
(with fuse cartridge)

Spare Parts

- Melt fuse insert, 8 A 77 51 142

Required Tools

- Standard service tool kit
- Soldering iron, 60 W
- Solder removal tool 20 49 708 RH 090
- Allen wrenches,
M3 and M4

Procedure

Observe ESD guidelines!

- Switch the generator **OFF**.
- Switch the system breaker **OFF**.

Preparatory Worksteps

- Disconnect all cables from the TV CCU.
- Remove the front shielding plate from the TV CCU.
- Remove the transformer unit;
to this, only loosen the four mounting screws and pull out the unit.
- Remove the TV CCU.
- Remove the rear EMI shield.

Removing the Old Fuse Block

- Remove the solder from the 4 connector terminals for the F8 fuse block on the backplane board.
Use the solder removal tool!
- Remove the fuse block from the backplane.
- Completely remove the solder from the soldering terminals with the solder removal tool.

Install the New Fuse Block

- Insert the new fuse block turned 45° into the adjacent diagonal holes.
- Solder in the connector terminals.
- Insert the new melt insert into the fuse cartridge.
- Insert the fuse cartridge with the melt insert into the fuse block.

Final Work Steps

- Reinstall the rear EMI shield.
- Insert the TV CCU in the cabinet and secure it in place.
- Insert the transformer unit and tighten the mounting screws.
- Install the front shielding plate.
- Connect all cables.

Function Check

- Switch the system breaker **ON**.
- Switch the generator **ON**.
- After the system has been initialized, switch on fluoroscopy without an object in the beam path.
- At the generator, a tube voltage of less than 45 kV must stabilize when Automatic Fluoro Control is switched on.
- The fluoro image will appear on the monitor.
- Switch fluoroscopy **OFF**.

Changes to Previous Version

Page 1: Updated.

Page 2: Paragraph "General Remarks": Lithostar and Uroskop added.
Paragraph "Procedure" changed.

Page 4: "Final Work Steps" changed.
"Changes to Previous Version" added.

TD AX 4 / Link
TD AX 1 / Biedermann / Tropa